

SECRET

NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER



LIMITATION OF GROUND RESOLUTION

**GIVEN: A GROUND RESOLUTION FIGURE ON A
PARTICULAR AERIAL PHOTOGRAPHIC SYSTEM**

LIMITATION

EFFECT

CONTRAST - LOWER CONTRAST TARGET GIVES POORER GR

ALTITUDE - HIGHER ALTITUDE GIVES POORER GR

**SHAPE - THREE BAR TARGET DOES NOT DIRECTLY REPRESENT
TERRAIN SCENE**

**LOCATION
ON FRAME - TARGET ONLY GIVES GR FOR THAT AREA**

**APPLICATION TO
INTERPRETATION - THREE BAR TARGET DOES NOT DIRECTLY REFLECT
INTELLIGENCE CONTENT**

**RELATION TO
SMALLEST OBJECT - SIZE OF SMALLEST OBJECT DETECTED ON THE TARGET
WILL BE $\frac{1}{2}$ THE GR**

**RELATION TO
SYSTEM
PERFORMANCE - GR WILL INCLUDE EFFECTS OF VIBRATION,
TEMPERATURE, MOISTURE, STABILIZATION, IMAGE
MOTION, ATMOSPHERE, EXPOSURE, ETC.**

CONTROL NO. N-1249(11/60)
CLASSIFICATION ~~SECRET~~
TITLE LIMITATION OF GROUND
RESOLUTION
REQUIREMENT [] / APSG/TSSG
DATE COMPLETED 14 NOV 68

25X1